

AUSTRALIAN PATENT OFFICE

SEARCH REPORT

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|---------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------|
| Applicant's or agent's file reference 200130790/030423/TMSR/3220 | | |
| Application No. SG 200103079-0 | Application Filing Date (<i>day/month/year</i>) 22 May 2001 | (Earliest) Priority Date (<i>day/month/year</i>) 17 July 2000 |
| Applicant WANG, XIAO BING et al | | |

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| This search report consists of a total of 4 sheets. | |
| <input checked="" type="checkbox"/> | It is also accompanied by a copy of each prior art document cited in this report. |
| <p>1. <input type="checkbox"/> Certain claims were found unsearchable (See Box I)</p> <p>2. <input type="checkbox"/> Unity of invention is lacking (See Box II)</p> <p>3. <input type="checkbox"/> The application contains disclosure of a nucleotide and/or amino acid sequence listing and the search was carried out on the basis of the sequence listing</p> <p style="margin-left: 40px;"> <input type="checkbox"/> filed with the application <input type="checkbox"/> furnished by the applicant separately from the application, <input type="checkbox"/> but not accompanied by a statement to the effect that it did not include matter going beyond the disclosure in application as filed </p> <p>4. With regard to the title, <input checked="" type="checkbox"/> the text is approved as submitted by the applicant. <input type="checkbox"/> the text has been established by this Office to read as follows:</p> <p>5. With regard to the abstract, <input checked="" type="checkbox"/> the text is approved as submitted by the applicant <input type="checkbox"/> the text has been established by this Office as it appears in Box III</p> <p>6. The figure of the drawings to be published with the abstract is Figure No.</p> <p style="margin-left: 40px;"> <input type="checkbox"/> as suggested by the applicant. <input type="checkbox"/> because the applicant failed to suggest a figure <input type="checkbox"/> because this figure better characterises the invention <input checked="" type="checkbox"/> None of the figures </p> | <div style="transform: rotate(90deg); transform-origin: right top;"> 6-6-111 1200 1200 </div> |

A. CLASSIFICATION OF SUBJECT MATTER

According to International Patent Classification (IPC)

Int. Cl. ⁷ C12Q 1/68

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

SEE BELOW

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SEE BELOW

Electronic data base consulted during the search (name of data base and, where practicable, search terms used)

CA, WPIDS, MEDLINE: mutation, single nucleotide primer extension, primer oligo base extension, mutation, primer, 3', downstream, upstream, flanking, 5'

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| X | WO 96 30545 A (APPLIED GENETICS, INC.) 3 October 1996 See in particular pages 8 and 16 | 1-30 |
| X | Braun A et al. (1997) "Detecting CFTR gene mutations by using primer oligo base extension and mass spectrometry" Clinical Chemistry 43(7), pages 1151-8 See in particular page 1153, column 1 and figure 1, parts (b) and (c). | 1-30 |

☒ Further documents are listed in the continuation of Box C

☒ See patent family annex

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of submission of the request to the Australian Patent Office

28 April 2003

Date of completion of the search report

28 May 2003

Date of mailing of the search report

02 JUN 2003

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TERRY MOORE

| C (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| A | US 5 888 819 A (GOELET P et al) 30 March 1999 See whole document | All claims |
| A | WO 91 13075 A (ORION-YHTYMÄ OY) 5 September 1991 See whole document | All claims |
| A | Prezant TR et al (1992) "Trapped-oligonucleotide nucleotide incorporation (TONI) assay, a simple method for screening point mutations" Human Mutation 1, pages 159-64 See whole document | All claims |
| A | Piggee CA et al (1997) "Capillary electrophoresis for the detection of known point mutations by singel-nucleotide primer extension and laser-induced fluorescence detection" J Chromatography A, 781, pages 367-75 See whole document | All claims |

| Patent Document Cited in Search Report | | | Patent Family Member | | |
|-------------------------------------------|----------|----|----------------------|----|-------------|
| WO | 96 30545 | AU | 52964/96 | EP | 751951 |
| US | 5888819 | AU | 15848/92 | EP | 576558 |
| WO | 91 13075 | AU | 72351/91 | EP | 648280 |
| | | | | | WO 92 15712 |
| | | | | | HU 61330 |
| END OF ANNEX | | | | | |